



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D412-742-013
Job Sheet 166743-C



Part No: D412-742-013

Job Qty: 1 ea

Part Name: Skidtube Fits LH or RH High Gear, DART (Apical) Tri-Bag Float Compatible



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 10/16/17

Job Tracking No:

Due Date: 10/27/17

Created By: Victoria Michaud-Febrille

Type: Stock

Description:

Customer: Aeroservicios Especializados SA de CV - ASES (CASES01)

Calle Rio San Lorenzo #699 Int 102, San Pedro Garza Garcia Fuentes Del Valle, Nuevo León, 66220 Mexico
ph:52-938-382-2113 fx:52-938-384-0535.

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Due Date	Standard		Workcenter/Supplier	
				Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time
90	Start up Operation	1 Ea	10/27/17	0.00	0.00	Start up container	
100	DC	1 pcs	10/27/17	0.00	0.00	DC	
110	Packaging	1 pcs	10/27/17	0.00	0.00	Packaging1	
120	QC	1 pcs	10/27/17	0.00	0.00	QC4	
130	Packaging	1 pcs	10/27/17	0.00	0.00	Packaging3	
140	QC21-FG	1 Ea	10/27/17	0.00	0.00	QC21	

Part Op 100 - Photocopy bluefile and create labels per PPP D412-742-013 CHG009

Descriptions: 130 - Identify and pack for shipping as per PPP D412-742-013

DAS 21 9-69 NOV 7 2017

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
110-Packaging	AN3C37A 5004957	1	68	0	0
	AN3C40A 5004962	1	6	0	0
	AN3C41A 5004931	1	415	0	0
	AN3C42A 5004951	1	60	0	0
	AN3C43A 5004888	4	22	0	0
	AN3C46A 5004883	5	175	0	0
	AN4C47A 5004879	4	71	0	0
	AN4C52A 5004876	4	55	0	0
	AN4C53A 5004878	4	99	0	0
	AN4C6A 5004870	16	364	0	0
	AN4C7A 5004866	4	181	0	0
	AN6C12A 5004849	8	57	0	0
	D2571 5004976	1	13	0	0
	D2572 5004975	1	11	0	0
	D2573 5004974	1	14	0	0
	D2574 5004973	1	8	0	0
	D2747 5004798	4	159	0	0
	D2876 5004797	2	73	0	0
	D2877 5004796	2	62	0	0
	D3403-1 5004756	8	8	0	0
	D3403-3 5004770	8	65	0	0
	D3403-5 5004774	8	65	0	0
	D3405-041 5004749	1	19	0	0
	D3405-043 5004745	1	20	0	0

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

Closed: _____

Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube ☐</td> <td>Cross tube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																															
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Date : _____		Step #: _____		QTY Effective : _____		MRB (QS1042) Approval																																																																	
Job No: 166743-C Mfg Date: 11/07/17 Packaging Change No: Operation: Revision: PART NO: Float Compatible Skidtube Fits LH or RH High Gear, DART (Apical) Tri-Bag D412-742-013				Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____																																																																			
Root Cause: <table style="width:100%;"> <tr><td>Environment</td><td>☐</td></tr> <tr><td>Design</td><td>☐</td></tr> <tr><td>Doc/Data</td><td>☐</td></tr> <tr><td>Equip/Tooling</td><td>☐</td></tr> <tr><td>Handling/Pre</td><td>☐</td></tr> <tr><td>Material</td><td>☐</td></tr> <tr><td>Internal Transport</td><td>☐</td></tr> <tr><td>Tribal Knowledge</td><td>☐</td></tr> <tr><td>LOA</td><td>☐</td></tr> <tr><td>Substation</td><td>☐</td></tr> <tr><td>Past Expiry Date</td><td>☐</td></tr> <tr><td>Misidentified</td><td>☐</td></tr> </table>				Environment	☐	Design	☐	Doc/Data	☐	Equip/Tooling	☐	Handling/Pre	☐	Material	☐	Internal Transport	☐	Tribal Knowledge	☐	LOA	☐	Substation	☐	Past Expiry Date	☐	Misidentified	☐	S007470 DART AEROSPACE <table style="width:100%;"> <tr> <td>Crushing ☐</td> <td>Countersink ☐</td> <td>Off-set ☐</td> <td>Positioned Wrong ☐</td> </tr> <tr> <td>Heat Treat ☐</td> <td>Cut Too Short ☐</td> <td>Mislabeled ☐</td> <td>Outside Dimensions ☐</td> </tr> <tr> <td>Wave/Twist in Tube ☐</td> <td>Instructions Incomplete/Unclear ☐</td> <td>Fit/Function ☐</td> <td>Over/Under tolerance ☐</td> </tr> <tr> <td>Marks/Chatter ☐</td> <td>Drill Holes ☐</td> <td>Misaligned/off center ☐</td> <td>Part Incorrect ☐</td> </tr> <tr> <td colspan="2">OTHER : _____</td> <td></td> <td>Part Lost/Missing ☐</td> </tr> <tr> <td colspan="2"></td> <td></td> <td>Part Moved ☐</td> </tr> <tr> <td colspan="2"></td> <td></td> <td>Drawing ☐</td> </tr> <tr> <td colspan="2"></td> <td></td> <td>Finish ☐</td> </tr> <tr> <td colspan="2"></td> <td></td> <td>Misread ☐</td> </tr> <tr> <td colspan="2"></td> <td></td> <td>Turning Sequence ☐</td> </tr> </table>				Crushing ☐	Countersink ☐	Off-set ☐	Positioned Wrong ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Outside Dimensions ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Over/Under tolerance ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Part Incorrect ☐	OTHER : _____			Part Lost/Missing ☐				Part Moved ☐				Drawing ☐				Finish ☐				Misread ☐				Turning Sequence ☐
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D3407-041	5003789	1	15	0	0
D3417-3	5003788	2	48	0	0
D3456-1	5003787	1	40	0	0
D3533-1	5003786	2	47	0	0
D3672-11	5003785	8	1,089	0	0
D3672-3	5003780	32	2,040	0	0
D3672-9	5003752	8	1,974	0	0
D412-742-043	5002166	1	0	0	0
MS21043-3	5003734	13	917	0	0
MS21043-4	5003733	29	797	0	0
NAS1149C0332R	5003732	26	2,674	0	0
NAS1149C0432R	5003730	32	1,500	0	0
NAS1149C0632R	5003728	8	181	0	0

Part Specifications

Specifications could not be found.

Plex 10/16/17 1:29 PM dart.Michaud-Febrille.Victoria

DOA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

REF. ONLY

(CONTINUED FROM PAGE 21)

Item	Qty -013	Qty -043	Part Number	Description
40	1		D2571	SADDLE, FWD OUTSIDE
41	1		D2572	SADDLE, FWD INSIDE
42	1		D2573	SADDLE, AFT OUTSIDE
43	1		D2574	SADDLE, AFT INSIDE
44	2		D2876	SADDLE SPACER
45	2		D2877	SADDLE SPACER
46A	8		D3403-1	BUSHING
46B	8		D3403-5	BUSHING
47A	4		D2747	SET SCREW
47B	2		D3533-1	SET SCREW
48	16		AN4C6A	BOLT
49A	4		AN4C52A	BOLT
49B	4		AN4C53A	BOLT
50	8		AN6C12A	BOLT
51A	32		D3672-3	WASHER (REPLACES NAS1515H4L)
51B	32		AN960C416L	WASHER
52A	8		D3672-9	WASHER (REPLACES NAS1515H6L)
52B	8		AN960C616L	WASHER
53	8		D3672-11	WASHER (REPLACES NAS1515H7L)
54	24		MS21043-4	NUT
55	4		AN4C7A	BOLT
56	2		D3591-1	BUSHING
60	8		D3403-3	BUSHING
61	1		D3405-041	GHW LUG
62	1		D3405-043	GHW LUG
63	4		AN4C47A	BOLT
64	4		MS21043-4	NUT
70	1		D3407-041	TOW RING
71	2		D3417-3	WASHER
72	1		MS21043-4	NUT
73	1		D3456-1	WASHER
91	1		AN3C37A	BOLT
92	1		AN3C40A	BOLT
93	1		AN3C41A	BOLT
94	1		AN3C42A	BOLT
95	4		AN3C43A	BOLT
97	5		AN3C46A	BOLT
99	26		AN960C10L	WASHER
100	13		MS21043-3	NUT

*DENOTES PART IS INCLUDED WITH D3391-043 ASSEMBLY ABOVE

**DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

DART
AEROSPACE
S002166

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K64 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com



Repl. Skidtube Fits LH or RH, High Gear, DART (Apical)
Tri-Bag Float Comp.

PART NO: D412-742-043

Revision:

Operation:

Quantity:

Change No:

Packaging
1

Mfg Date: 10/25/17
Job No: 161820